

Formation of homo- and heteroduplexes

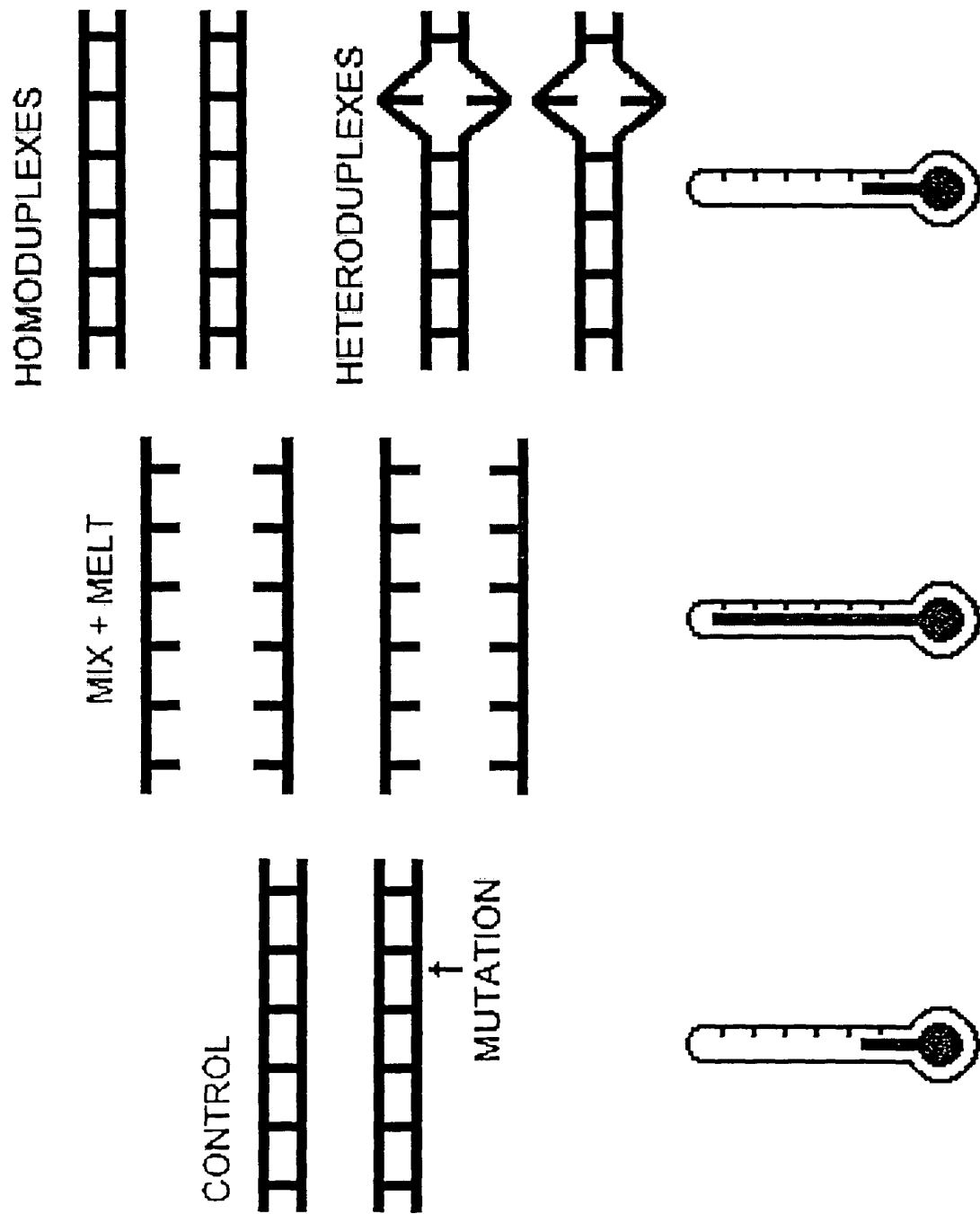
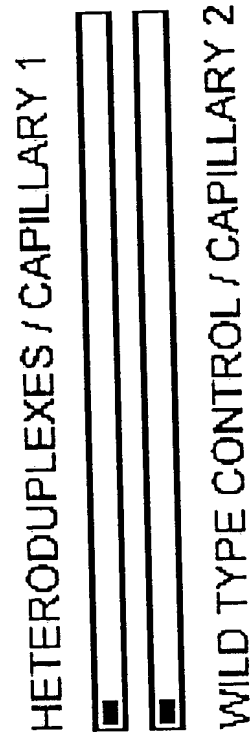
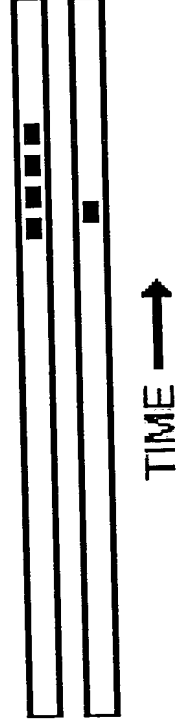


FIG. 1

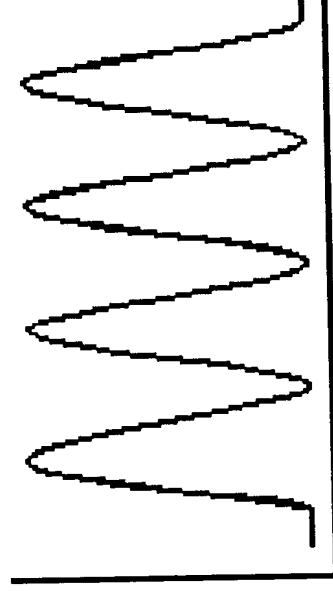
SAMPLE INJECT
TIME = 0



TIME = B
HETERODUPLEXES
SEPARATE

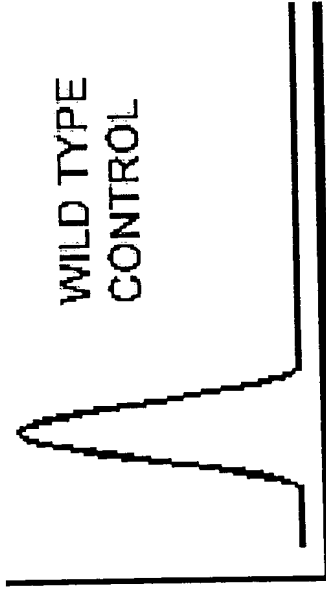


HETERODUPLEXES



CAPILLARY 1

TIME →



CAPILLARY 2

FIG. 2

Control Genotype Electropherogram

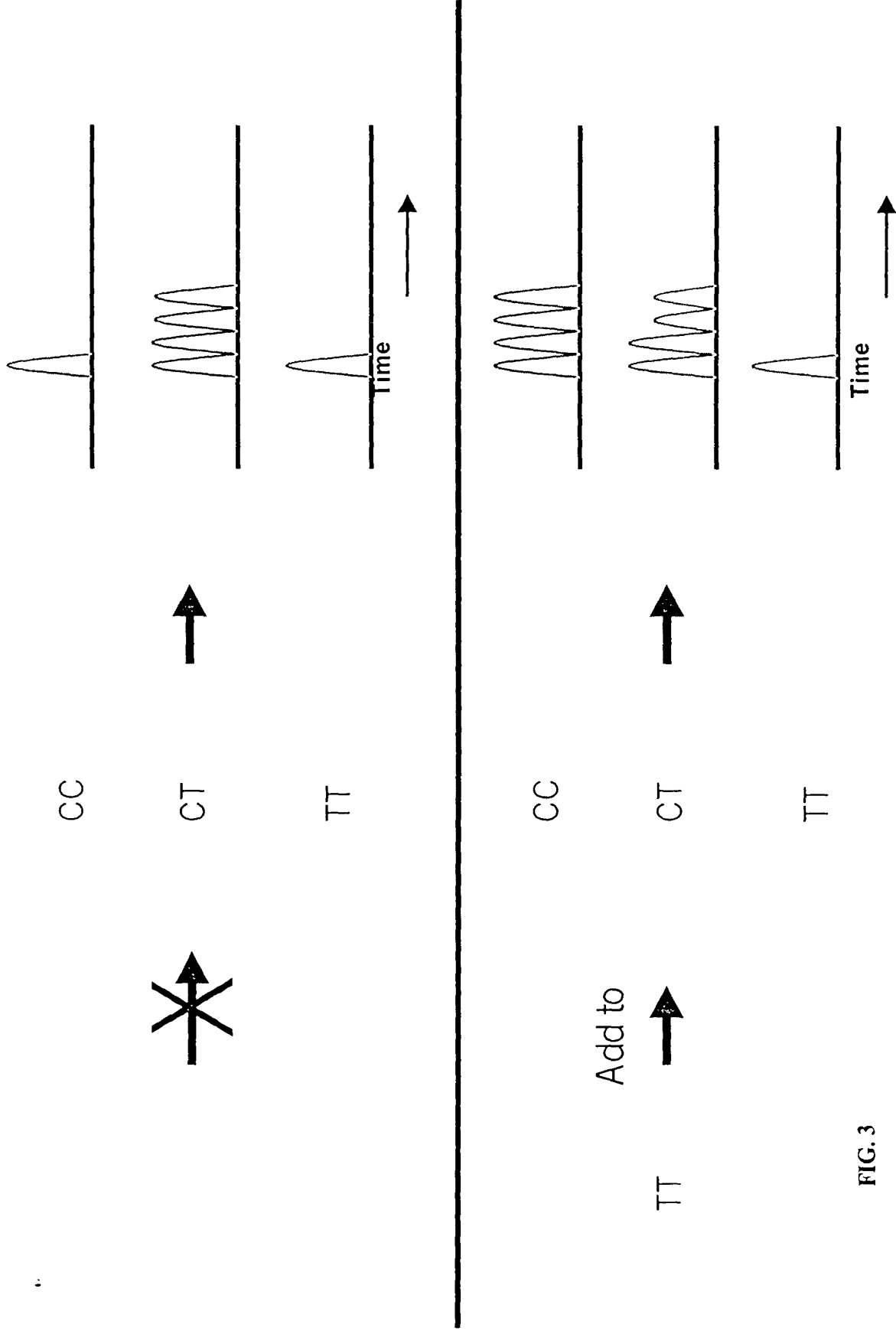


FIG. 3

Testing Samples without Addition of Control

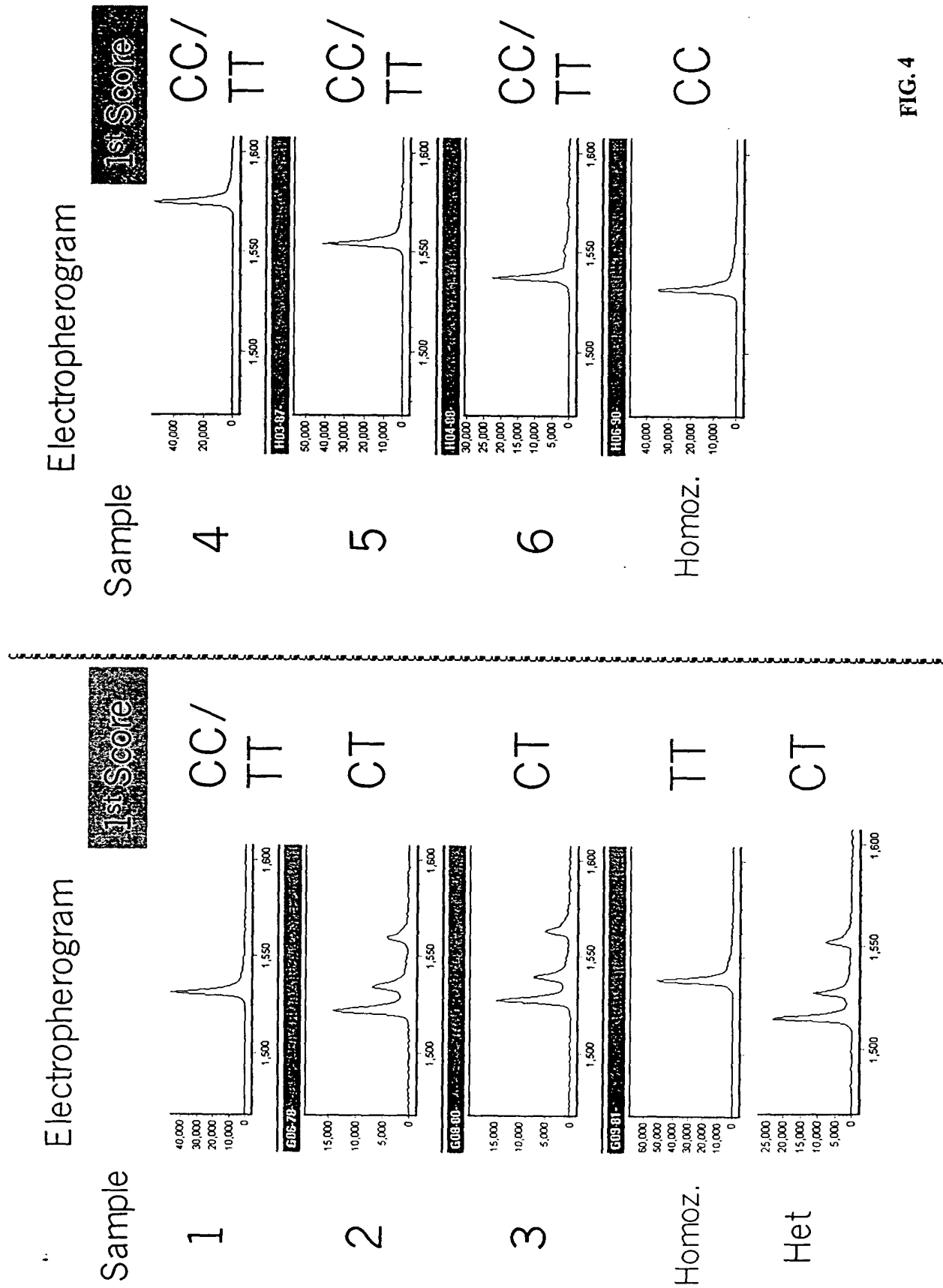


FIG. 4

Testing Samples Mixed with Control TT

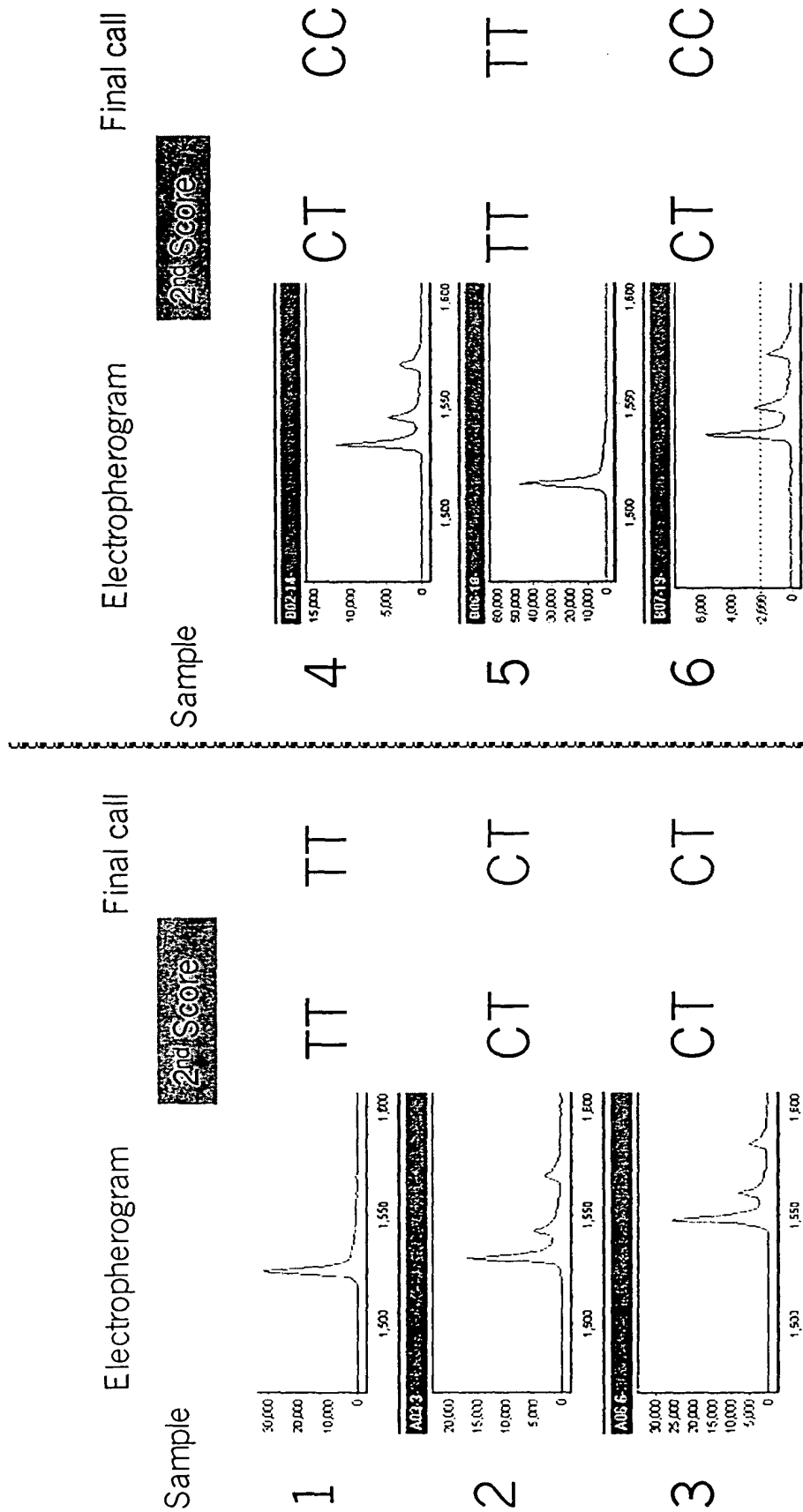
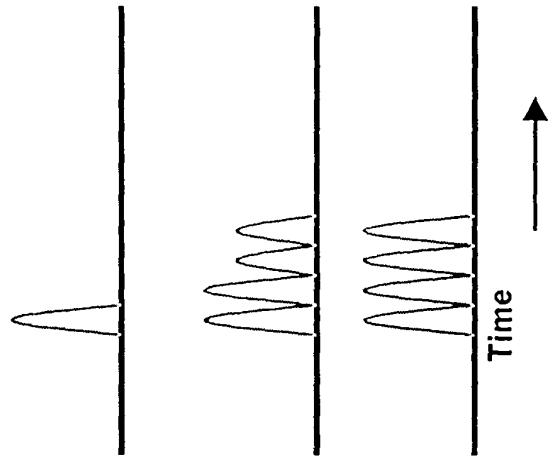


FIG. 5

Control Genotype Electropherogram

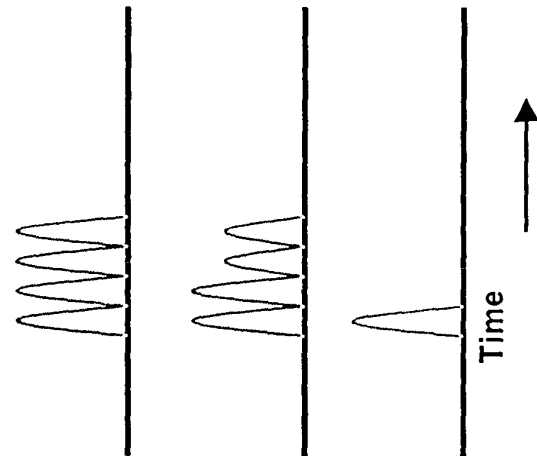


Add to

CC

CT

TT



Add to

CC

CT

TT

FIG. 6

Testing Samples Mixed with Control CC

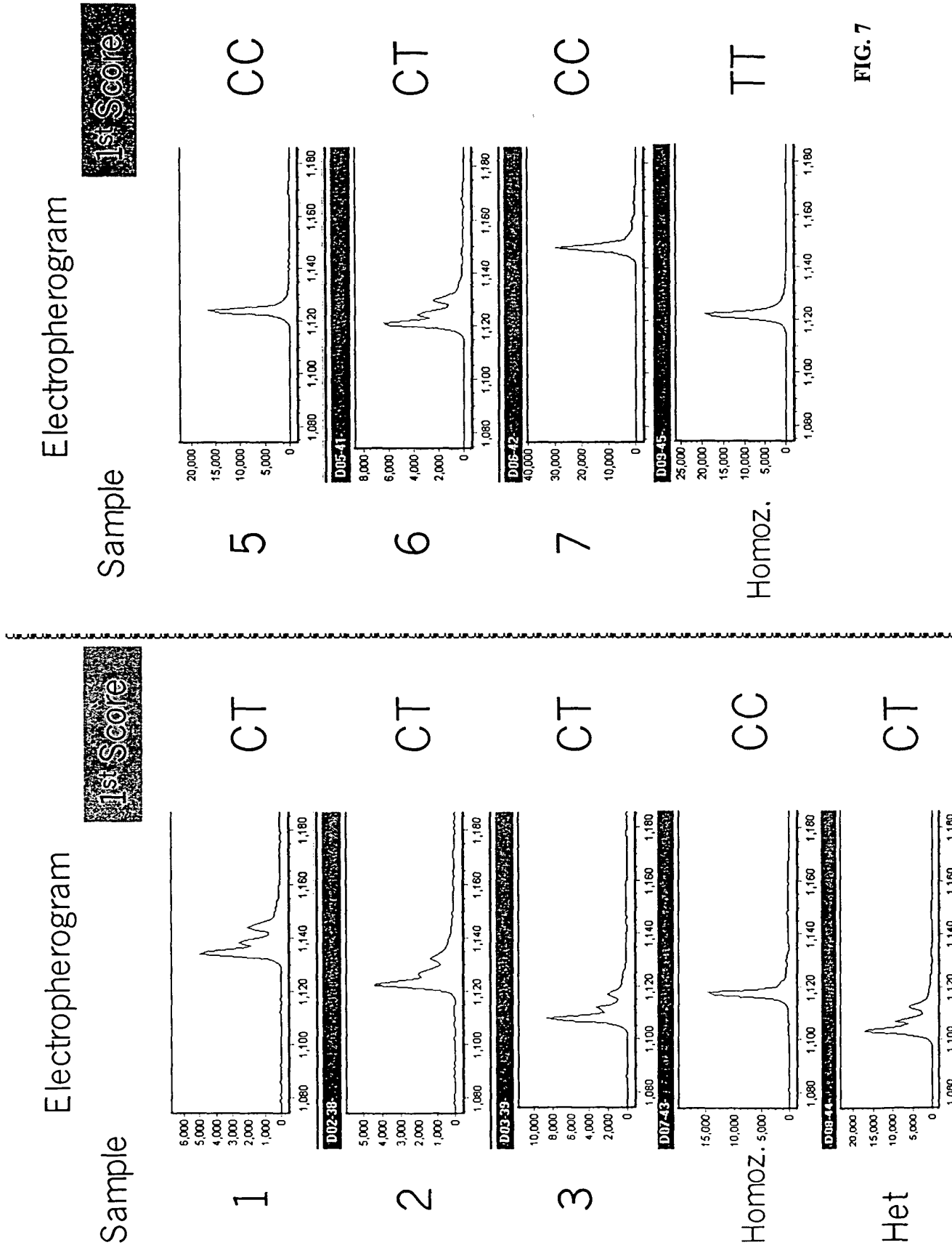


FIG. 7

Testing Samples Mixed with Control TT

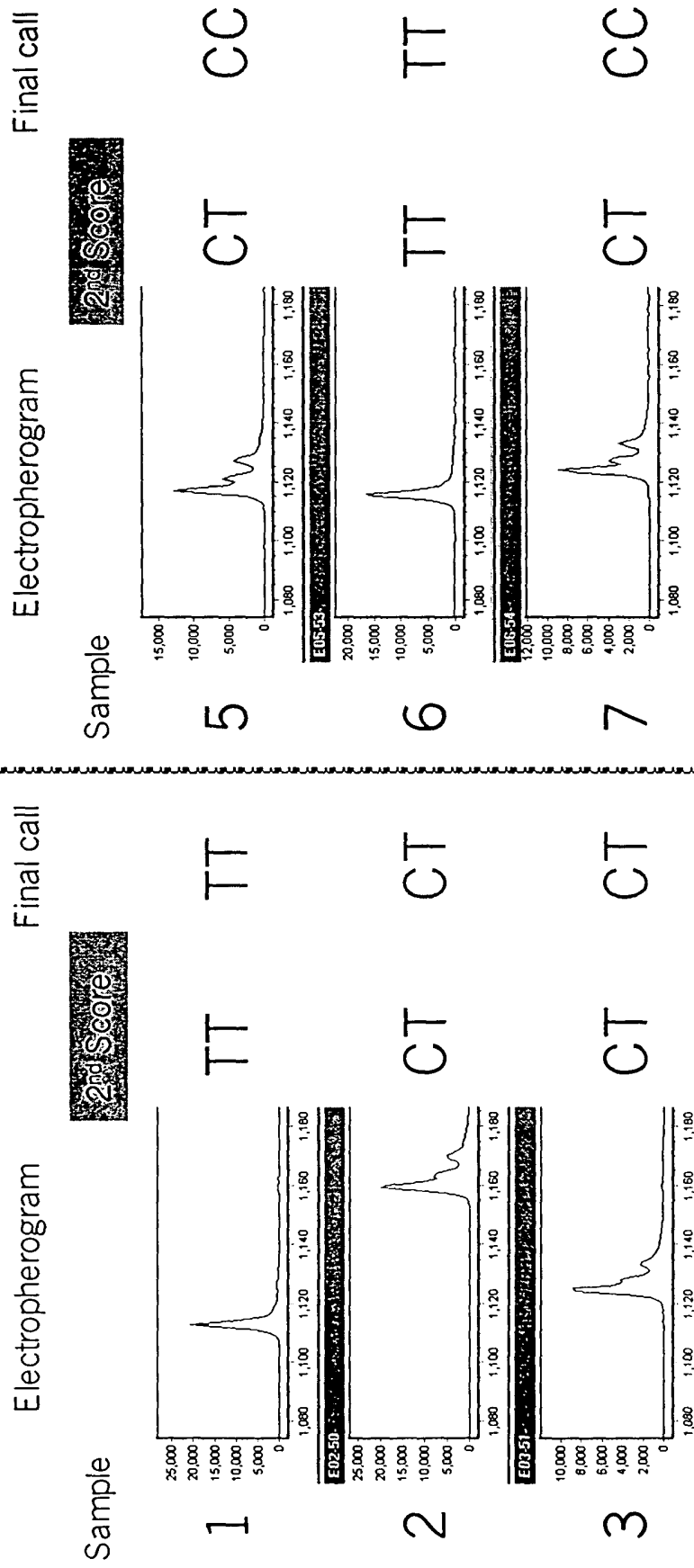


FIG. 8

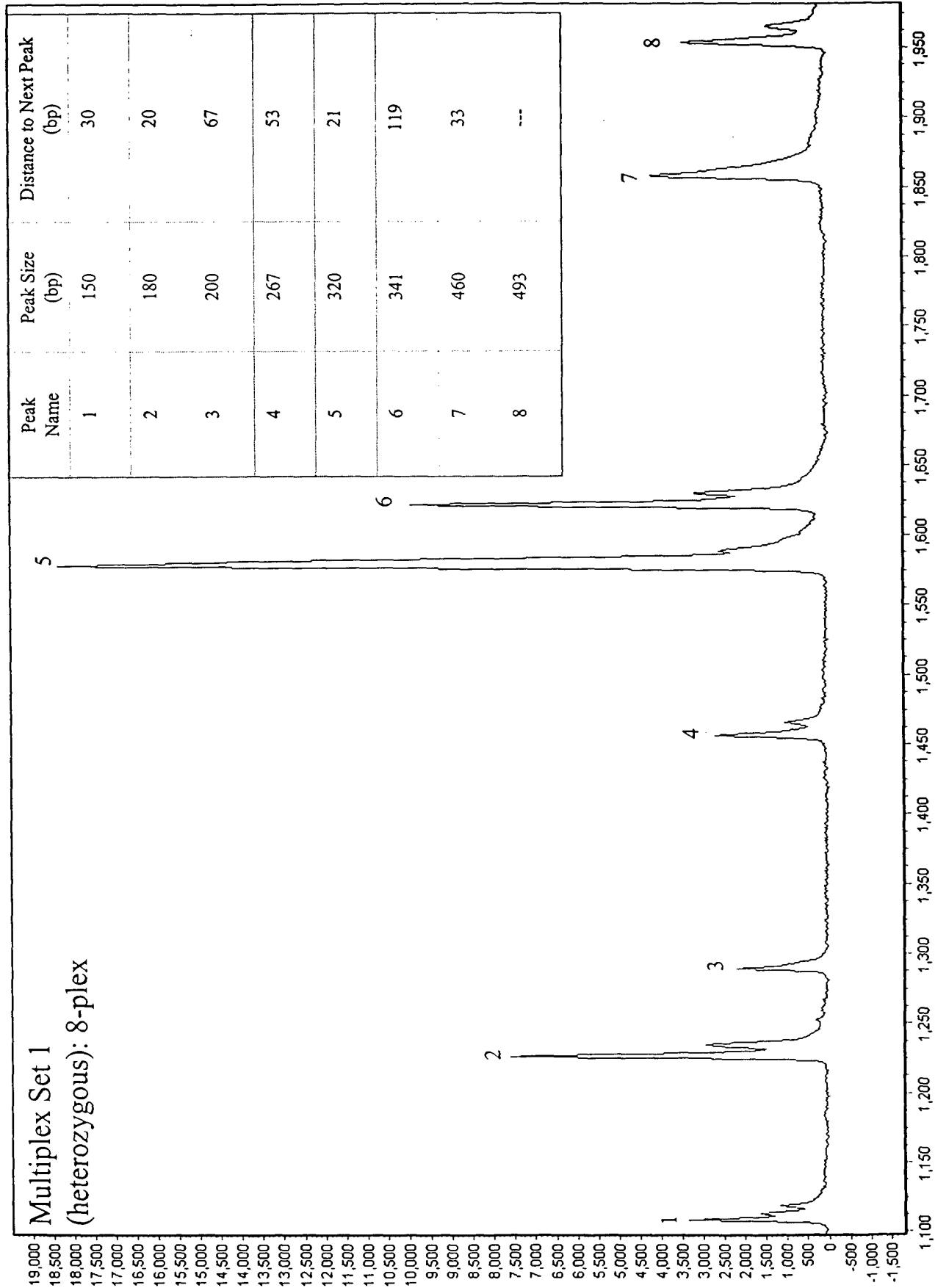
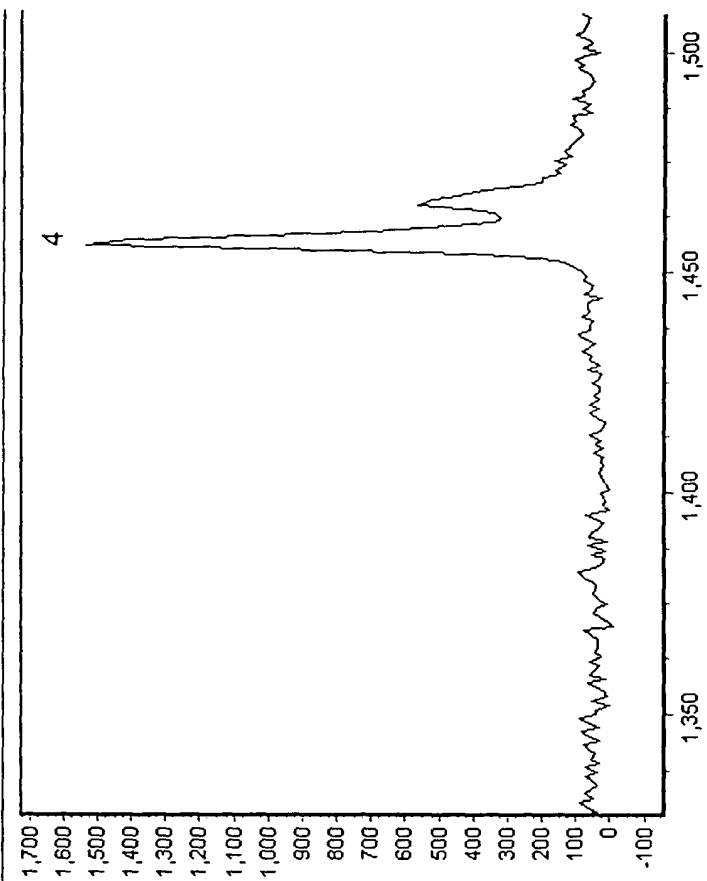
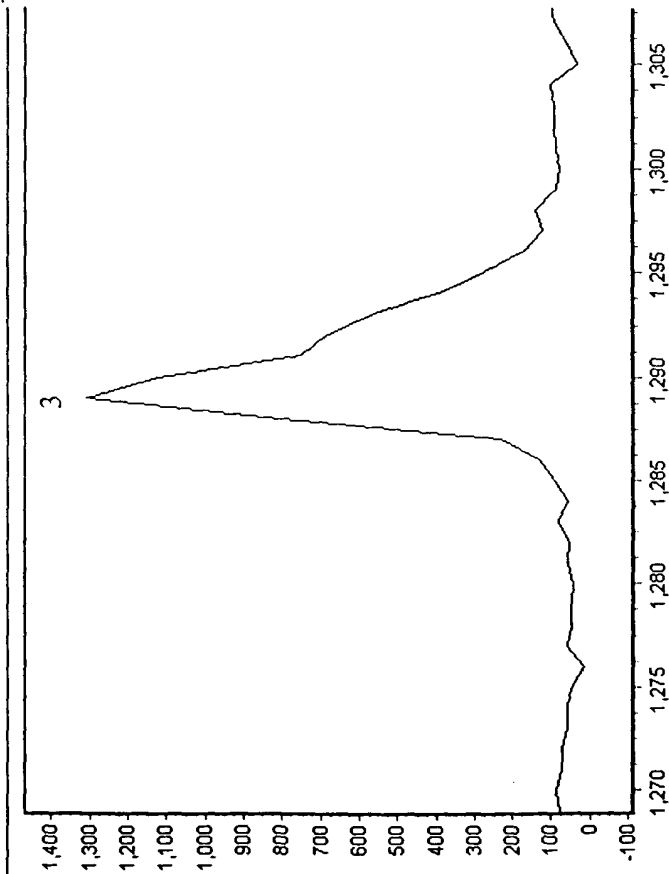
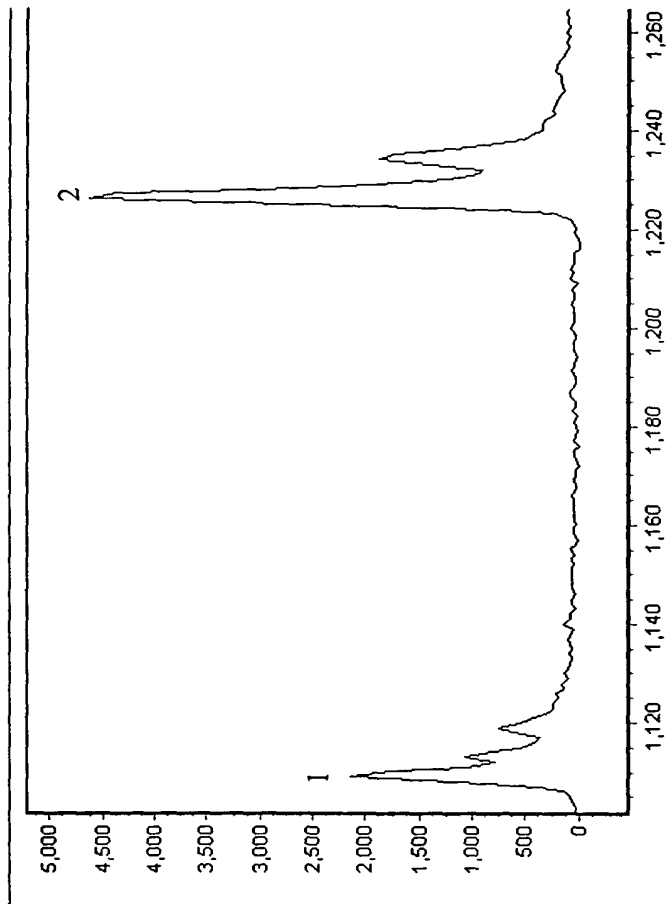


FIG. 9

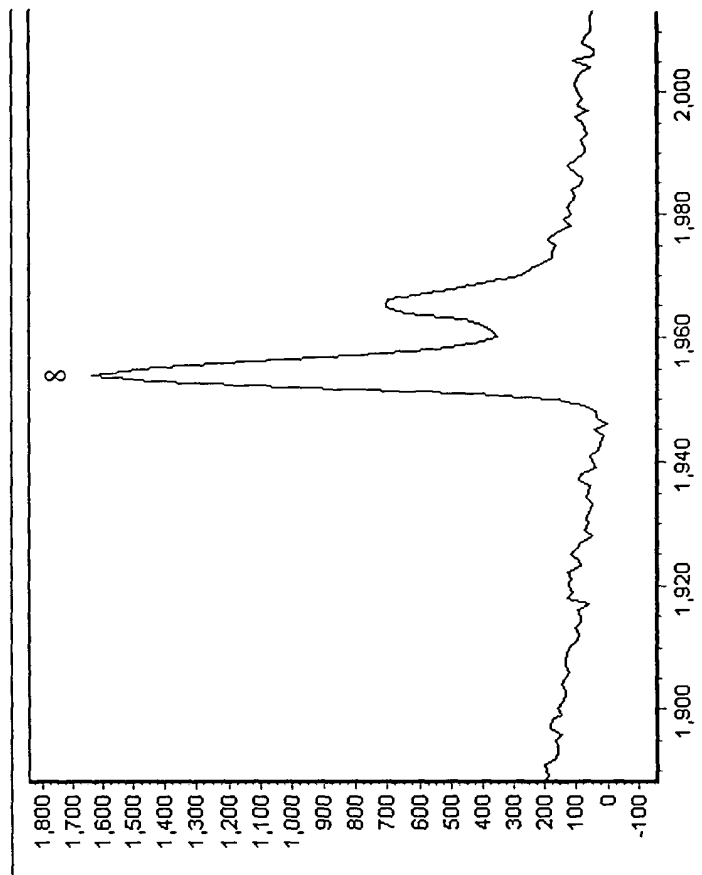
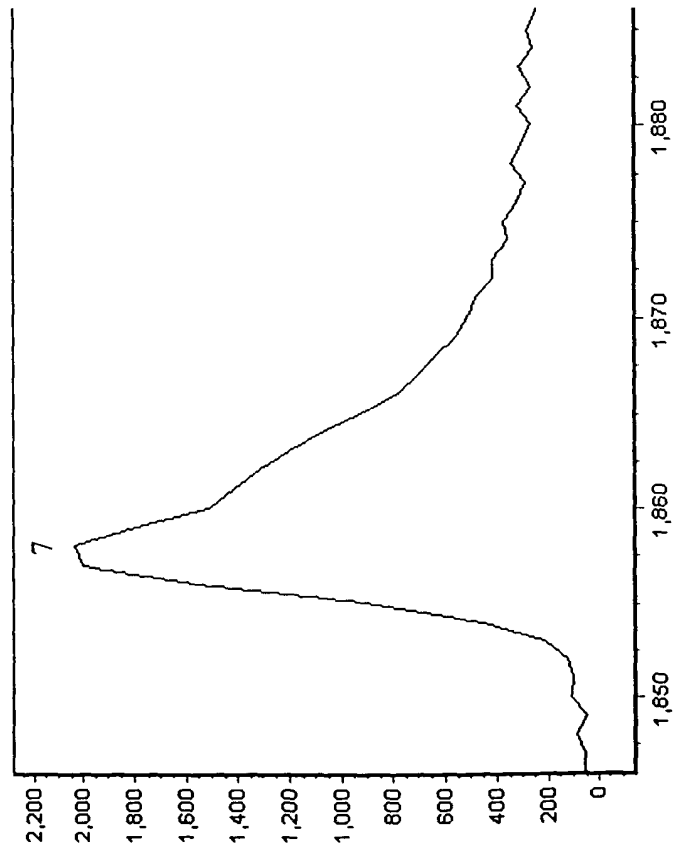
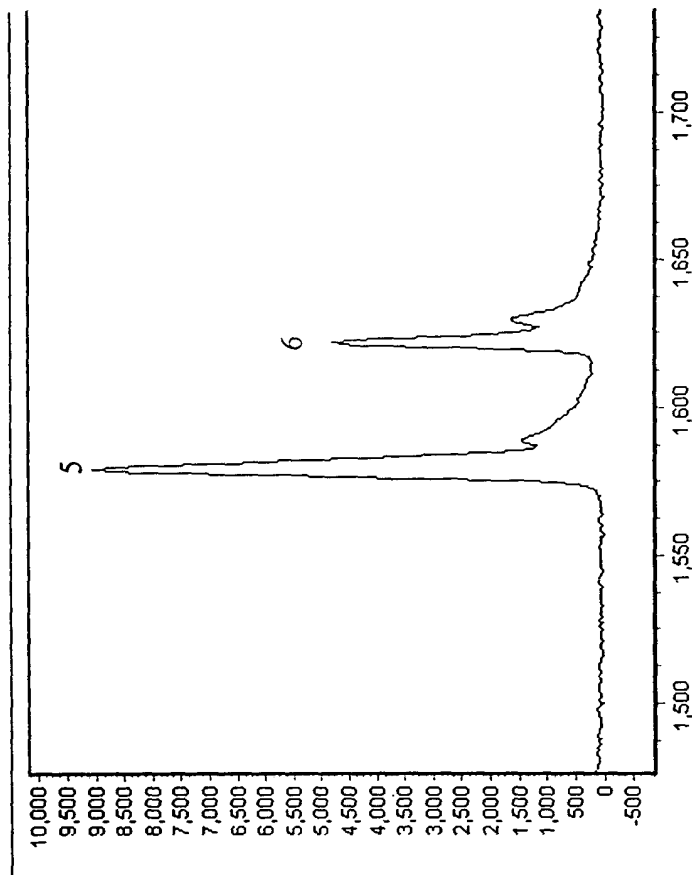
Individual Peak Magnification

FIG. 10



Individual Peak Magnification

FIG. 11



Multiplex Set 5a (heterozygous): 3-plex

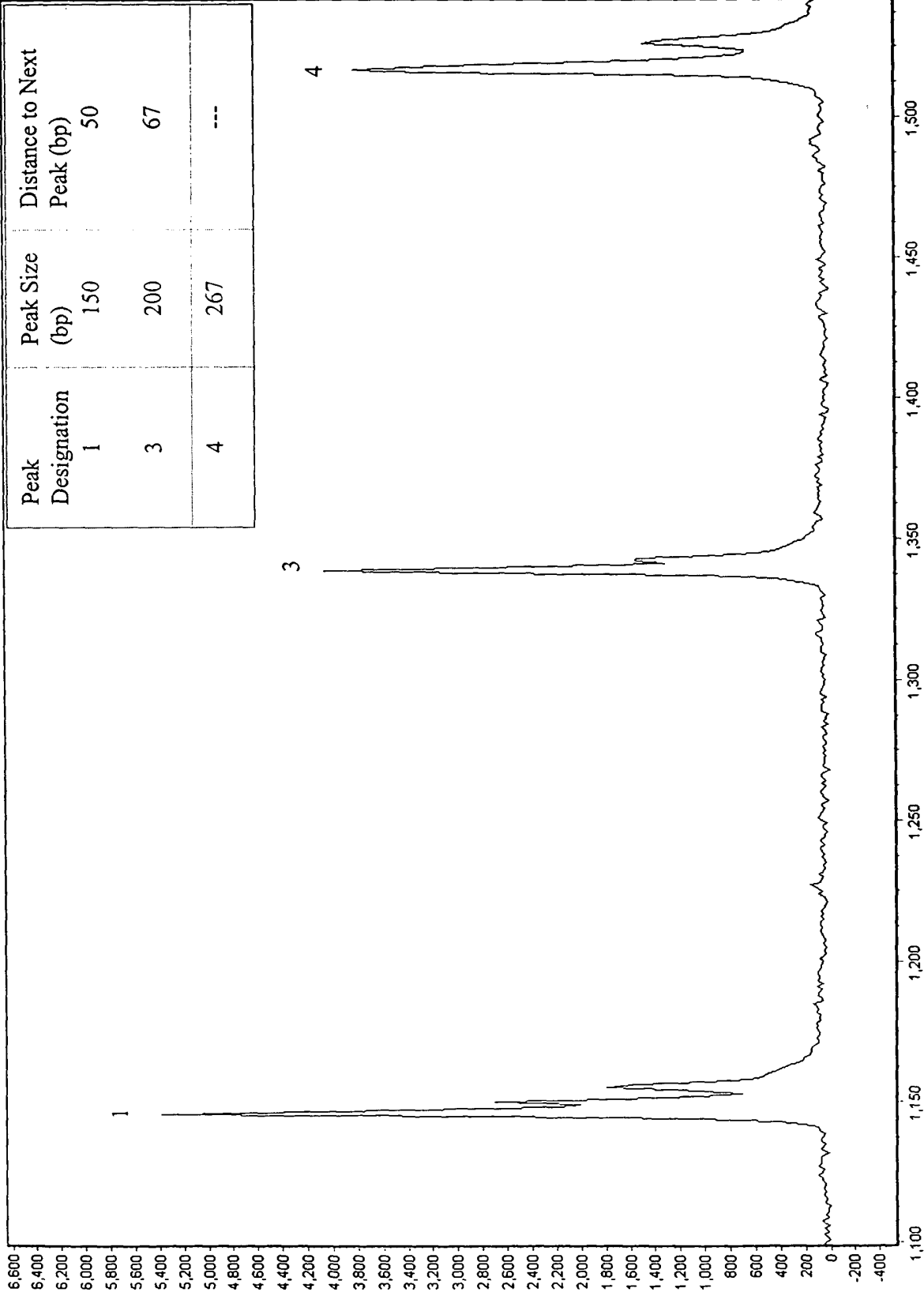


FIG. 12

Multiplex Set 5b (homozygous): 3-plex

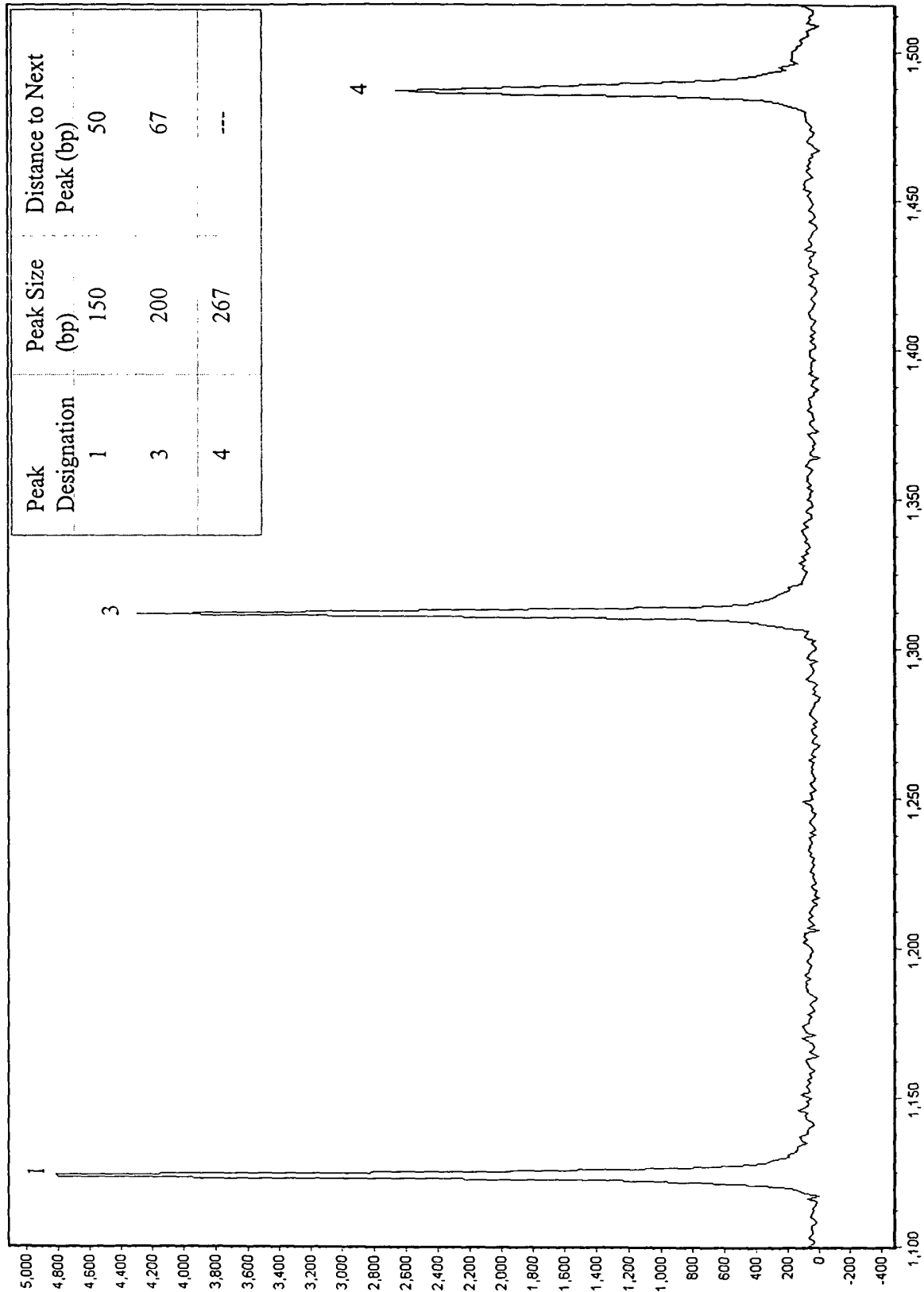


FIG. 13

Procedure Flowchart

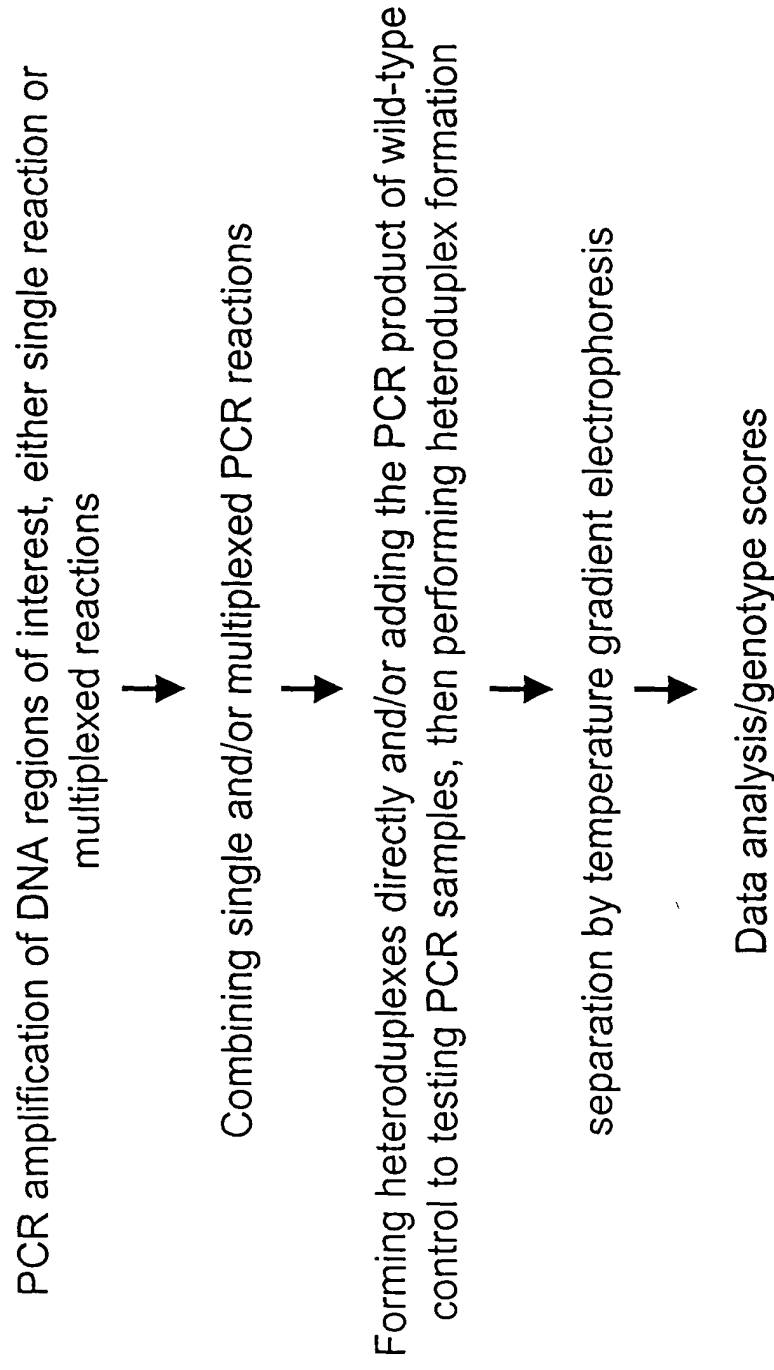


FIG. 14

Control Selection

Group: 2

Tray Row

SelectA
SelectB
SelectC
SelectD
SelectE
SelectF
SelectG
SelectH
Select All

Well Number

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96

Control

AA	CC
TT	GG

Member

Sample Match

Reset

Open

Save

OK

Cancel

FIG. 15

Cap #	Sample ID	Control #	Control Type	Mutation Score	Call	Confidence Score	Comments
D01 (37)		D07 (43)	CC	227	+	100	
D02 (38)		D07 (43)	CC	191	+	100	
D03 (39)		D07 (43)	CC	110	+	100	
D04 (40)		D07 (43)	CC	6	-	0	
D05 (41)		D07 (43)	CC	274	+	100	
D06 (42)		D07 (43)	CC	7	-	0	
D07 (43)		D07 (43)	CC	0	-	0	
D08 (44)		D07 (43)	CC	183	+	100	
D09 (45)		D09 (45)	TT	0	-	0	
E01 (49)		D09 (45)	TT	28	-	20	
E02 (50)		D09 (45)	TT	171	+	100	
E03 (51)		D09 (45)	TT	122	+	100	
E04 (52)		D09 (45)	TT	186	+	100	
E05 (53)		D09 (45)	TT	9	-	0	
E06 (54)		D09 (45)	TT	158	+	100	

GenoType Call Result

No.	Sample ID	Cap Number	GenoType	Comments
1	.	37:49	TT	
2	.	38:50	CT	
3	.	39:51	CT	
4	.	40:52	CC	
5	.	41:53	TT	
6	.	42:54	CC	

FIG. 16

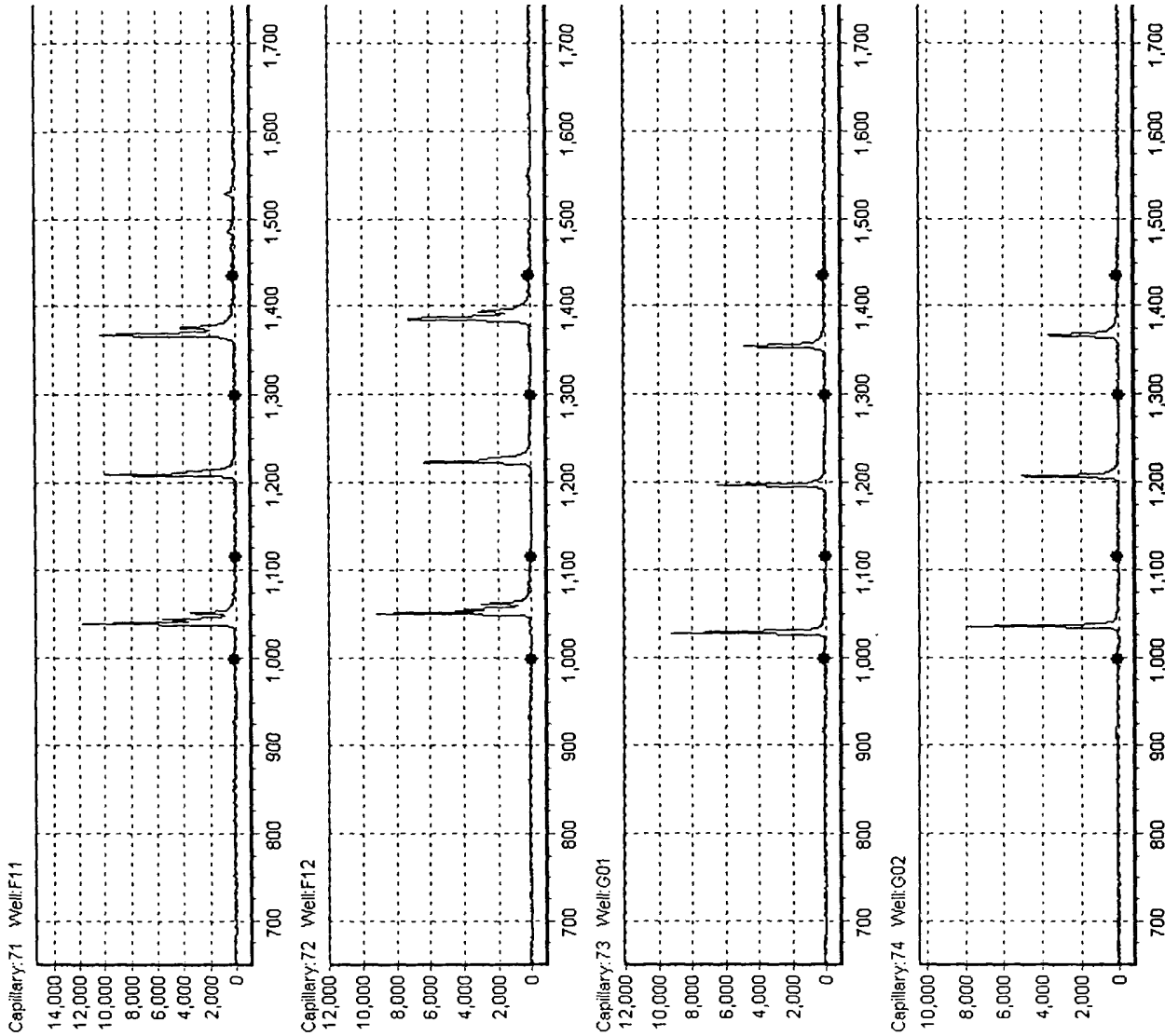


FIG. 17

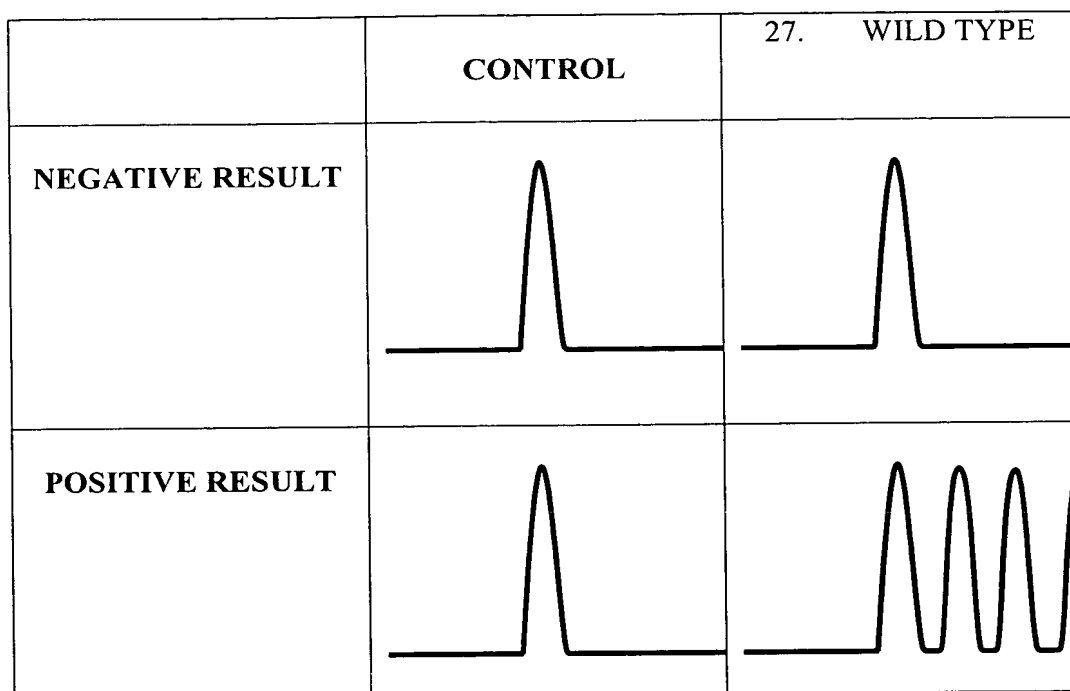


FIG. 18

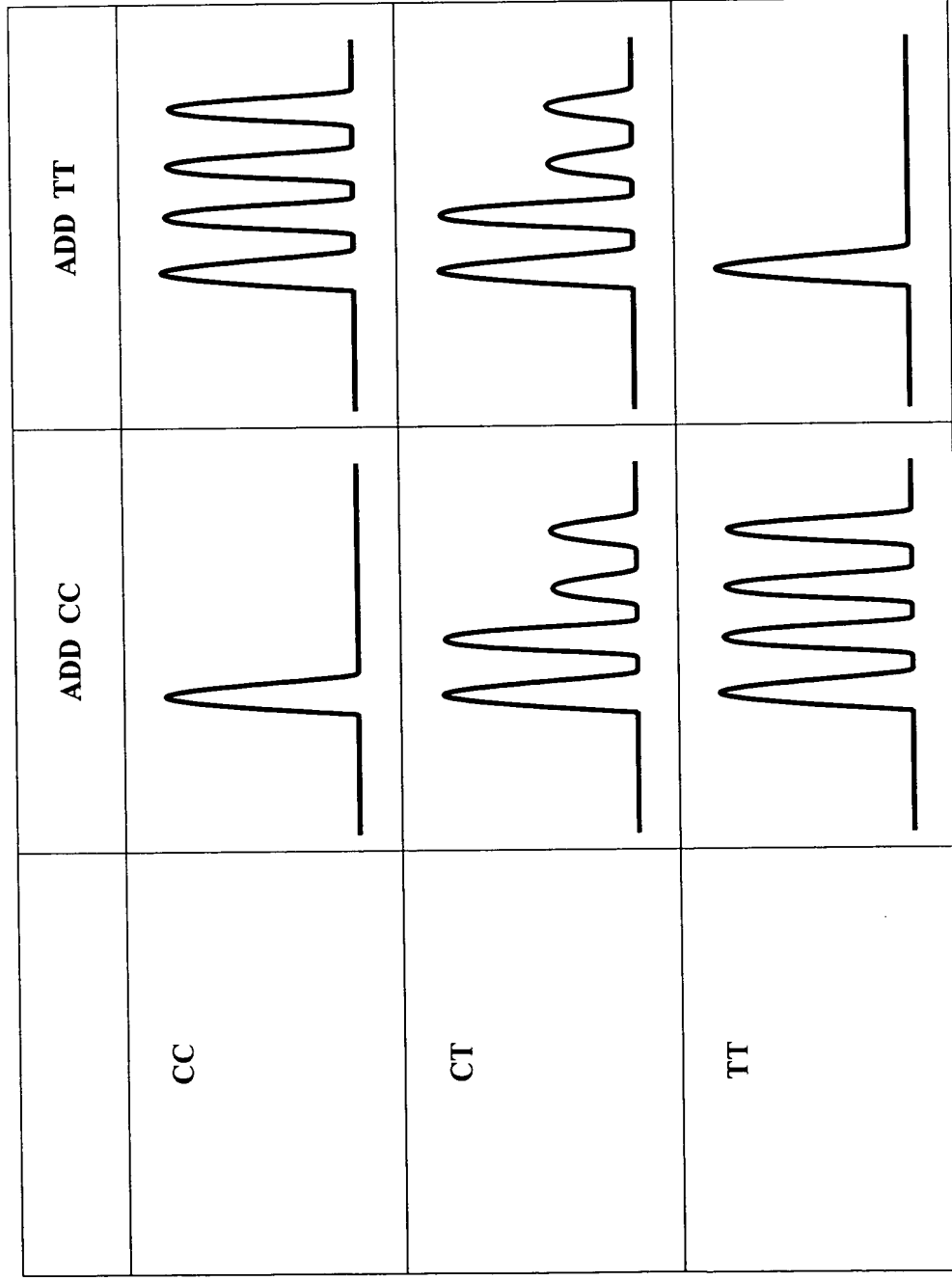


FIG. 19

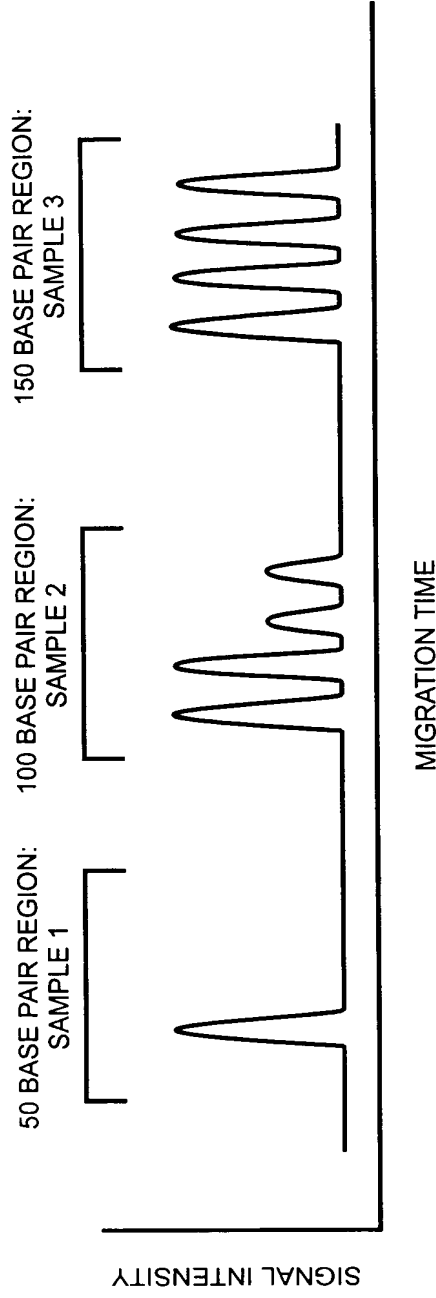


FIG. 20

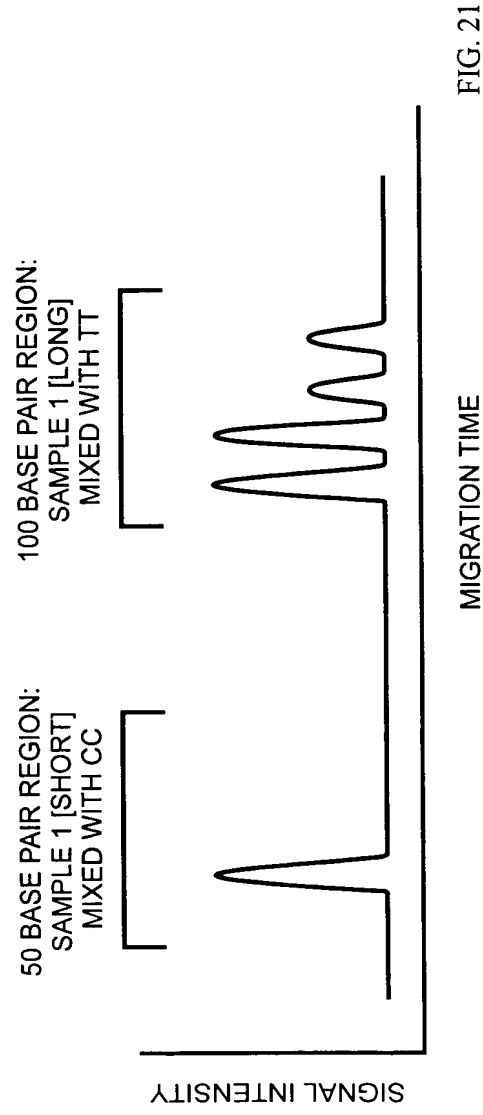


FIG. 21